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Bulbs

to Plant this Fall

**BOTANICAL TULIP,
RED EMPEROR**

The largest Tulip known!
Red Emperor is king of all
Tulips, in both size and
dazzling scarlet color.
Very early. \$1.25 per
doz.; \$10.00 per
100.

1952

PRINTED IN U.S.A.

**The J. CHAS.
McCULLOUGH SEED CO.**

230 East Fourth St. • P.O. Box 146

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1 lb. . . . \$1.69
5 lbs. . . . 6.95

APPLY SOIL CONDITIONERS ANY TIME GROUND IS WORKABLE

Krilium*—in special Merloam* formulation for lawn and home-garden use—is now available in both 1-pound and 5-pound packages . . . This brings Krilium into virtually year-round use—the 5-pound package for outdoor gardening, lawns, borders and shrubs, and the 1-pound package for flower pots, window boxes and similar indoor planting uses.

Krilium can be applied any time ground is workable! Since it remains effective for years, you can condition soil now and have it ready for later planting!

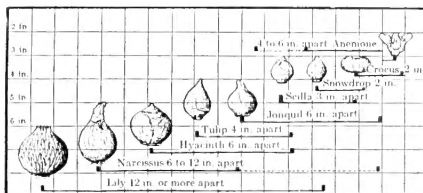
DUPONT'S SOIL CONDITIONER

A wettable flake material to be sprinkled on well-worked heavy clay soil.

Ask for descriptive literature

¼ lb. \$1.75 ea.
½ lb. 2.75 ea.
2 lbs. 9.00 ea.

DEPTH TO PLANT BULBS



IRIS RETICULATA (Fragrant Iris)

A very early miniature bulbous Iris, equally at home in the rock garden or the sunny border. Height about 6 to 8 inches. The flower is a very rich, almost dazzling violet-blue, with a bright golden segment surrounded by a black and white area. It has a sweet violet scent.

For a real treat indoors, try forcing a few pots. They require only three weeks' rooting time in a cool dark place and bloom within a few weeks after being brought into a warm light room, in a temperature of about 60 degrees. 65c per doz.; \$5.00 per 100.

IRIS RETICULATA

BULBS FOR INDOOR CULTURE

Polyanthus Narcissus

Fragrant Paper-White Narcissus. This is the easiest and most satisfactory of all flowers to grow indoors. Planted in a bowl with pebbles and water, the bulbs bloom in six to eight weeks. By starting a new lot of bulbs every two or three weeks, a constant supply of these beautiful flowers may be had all winter. Grow in a cool place until ready to flower. **Large bulbs, 3 for 35c; \$1.00 per doz.; \$8.00 per 100.** **Mammoth bulbs, 3 for 45c; \$1.25 per doz.; \$10.00 per 100.**

Soleil d'Or. This is the so-called "Yellow Paper-White Narcissus." The culture is the same as for the Paper-White Narcissus offered above. Deep yellow flowers with an orange-yellow cup. **3 for 50c; \$1.50 per doz.; \$10.00 per 100.**

Glorious. Tall, delightfully informal in habit. Perianth Poeticus white with orange eye edged red. Very early and an excellent forcer. Culture the same as Paper-White Narcissus. **\$1.10 per doz.; \$8.50 per 100.**

FREESIAS

Tecolote Hybrids. Pure white. 65c per doz.; \$4.50 per 100.

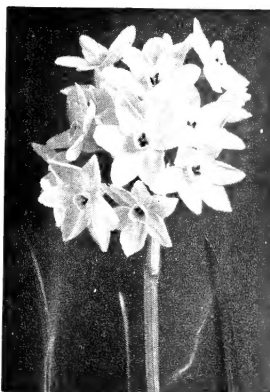
A Well-blended Mixture. A splendid strain containing a large number of beautiful colors. 65c per doz.; \$4.50 per 100.

Hardy Lilies

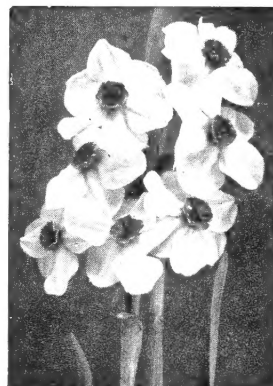
Lilium candidum. New Strain *Cascade Madonna Lilies*. The Madonna Lily is one of the loveliest of white Lilies. Its delightful fragrance and beautiful white flowers make it a symbol of purity. Stems tall and straight, flowers of unusual texture and perfect form. Greatly resistant to botrytis. Particularly recommended for permanent plantings. *Lilium candidum* is one of the few bulbs requiring very shallow planting; the top of the bulb should not be over an inch below the surface of the ground. **Each 50c; \$5.00 per doz.; \$40.00 per 100.**



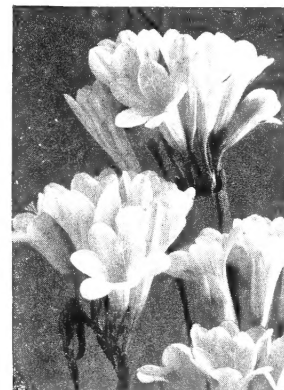
MADONNA LILIES
(Lilium Candidum)



PAPER-WHITE NARCISSUS



SOLEIL D'OR NARCISSUS



FREESIAS



SINGLE HYACINTHS

CROCUS

Spring-Flowering Crocus

Crocus are frequently the first flowers to appear in spring, coming a few days after the snow disappears. They are at their very best when scattered over a lawn or planted in rows as a border for a bed of perennials. When used on the lawn, scatter them freely over the surface, then lift the sod with a trowel and slip the bulb underneath. Crocus may also be grown in pots or bulb pans and will produce a pleasing effect. The bulbs are entirely hardy, and the grass may be mowed without injuring the Crocus plants.

Early Perfection. Intense, dark violet-blue. 75c per doz.; \$6.00 per 100.
Enchantress. Clear porcelain-blue. Large; early. 75c per doz.; \$6.00 per 100.

Excelsior. Pure lilac. Very large; early. 75c per doz.; \$6.00 per 100.
Midnight. Very dark purple; extra large. 75c per doz.; \$6.00 per 100.
Queen of the Blues. Pure light lilac-blue. 75c per doz.; \$6.00 per 100.
Mammoth Yellow. Golden yellow. A favorite extra-large variety having many flowers. 95c per doz.; \$7.50 per 100.

Snowstorm. Pure white; very large flowers. 75c per doz.; \$6.50 per 100.
Striped Beauty. Blue, striped white. 75c per doz.; \$6.50 per 100.
Mixed Colors. 75c per doz.; \$5.00 per 100.

CROCUS FOR BEDDING

Mixed Colors

65c per doz.; \$5.00 per 100



CROCUS

The Fragrant HYACINTHS

Hyacinths should be planted early, but they may be set from October until the ground freezes. Spade the soil 8 to 10 inches deep, making it as fine as possible. If the soil is heavy, add sand, well-decayed manure, or peat moss. Set the bulbs 5 to 6 inches deep and about the same distance apart. Before hard freezing comes, cover the bed lightly with leaves or litter, removing it in the spring.

Hyacinths grow readily in pots. Use the named varieties, one bulb in a 5-inch pot, or three bulbs in a 7-inch pot. Use garden soil or bulb fiber, and a little plant-food; set the bulb $\frac{1}{2}$ inch below the soil level. Water thoroughly, put in a dark, cool place for six to eight weeks, giving water as needed; when the bulbs are well rooted, bring the pots to a warm room.

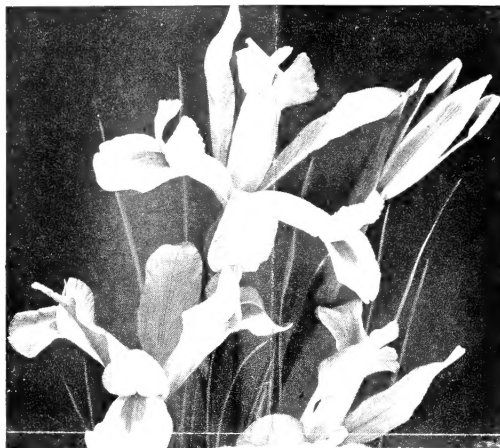
Hyacinths also thrive in water. Set the bulbs in a Hyacinth glass, with the base merely touching the water. Place in the dark until the roots are well grown. Add water as needed; a small piece of charcoal tends to keep the water pure. Give plenty of light and air, but the temperature should be less than 60 degrees until the flowers develop.

Choice Named Single HYACINTHS

Price per dozen and on single bulbs includes postage.

ALL NAMED HYACINTHS, TOP SIZE BULBS, 19 cm. and up
RED AND ROSE

Jan Bos. Striking deep red. Each 35c; \$3.50 per doz.; \$25.00 per 100.
Lady Derby. Bright rose-pink. Very large. Each 35c; \$3.50 per doz.; \$25.00 per 100.
Pink Pearl. Deep rose with lighter edge; early. Each 35c; \$3.50 per doz.; \$25.00 per 100.
Princess Margaret. A very fine novelty. Good form. Color a clear soft pink. Each 35c; \$3.50 per doz.; \$25.00 per 100.
Queen of Pinks. A lovely rose-pink; late forcer. Each 35c; \$3.50 per doz.; \$25.00 per 100.



DUTCH IRIS, WEDGWOOD

Miscellaneous BULBS

CHIONODOXA (Glory-of-the-Snow)

An early-flowering spring bulb, very desirable for use in borders or rockwork. The charming, small, star-shaped flowers are borne loosely on a small spike 4 to 5 inches long, and are of an attractive blue color. The bulbs should be planted about 3 inches apart. If planted in masses, close together, where they may be left undisturbed, they will continue to improve year after year.

Gigantea. A striking variety with unusually large, lilac-blue flowers with a conspicuous white center. 50c per doz.; \$4.00 per 100.

ERANTHIS HYEMALIS (WINTER ACONITE)

Early in the spring the golden blossoms look charming, resting on an emerald-green cushion of leaves and forming a striking contrast to the snowdrops, scillas, and chionodoxas. The foliage remains long after the flowers, making the plant especially valuable in moist situations, such as under trees, which the Winter Aconite enjoys and where few other flowering plants will thrive. Plant firmly, 2 inches deep, about fifteen bulbs to the square foot. 60c per doz.; \$4.75 per 100.

FRITILLARIA

Meleagris. Single, dwarf, spring-flowering plants, bearing large, pendent, bell-shaped flowers of yellow, white, black, purple, striped, and splashed and checkered in the most curious way. They are invaluable for rock-gardens and pretty when grown in large groups in a dry situation. 75c per doz.; \$6.00 per 100.

GRAPE HYACINTH (Muscari)

Charming, hardy spring-flowering bulbs. They are somewhat like the Hyacinth, but the clusters and the individual flowers are smaller and of delicate shape. Invaluable for naturalizing, especially with Narcissus.

Early Giant. Clear bright blue; large; early. 50c per doz.; \$4.00 per 100.
Alba. A pure white form of the above. 60c per doz.; \$4.50 per 100.

SCILLA CAMPANULATA (WOOD HYACINTH)

This interesting class blooms during early May. The bell-shaped flowers are carried on slender, graceful spikes. Plant 3 to 4 inches deep and 6 inches apart. Very effective for borders and will thrive in shaded situations under trees.

Excelsior. Large; deep blue bells; tall, large spikes. 50c per doz.; \$4.00 per 100.
Rose Queen. Bells are soft lilac-rose. Very pretty. 50c per doz.; \$4.00 per 100.
White Queen. Pure white. 50c per doz.; \$4.00 per 100.

SCILLA (Harebell)

Very early-flowering bulbs, doing well in ordinary soil, producing fine, graceful spikes of bell-shaped flowers. Extremely showy and attractive as pot plants and require about the same treatment as hyacinths.

Sibirica, Spring Beauty. Striking, large clear blue, much larger than Sibirica. 60c per doz.; \$4.50 per 100.

SNOWDROPS (Galanthus)

Everybody knows the Snowdrop, with its little white bells coming through the snow very early in the spring—practically the first flower to show itself after the dreariness of winter. It is a wonderful bulb for naturalizing and planting in every garden. Plant 2 to 3 inches deep and 1 inch apart. Can also be grown in pots or baskets.

Single-flowering. 70c per doz.; \$5.50 per 100.

WHITE

L'Innocence. Pure white, fine large flower. Each 30c; \$3.50 per doz.; \$25.00 per 100.

BLUE

Bismarck. Sky-blue; broad spike; early forcer. Each 35c; \$3.50 per doz.; \$25.00 per 100.

Duke of Westminster. Deep purplish blue bells have white centers. Each 35c; \$3.50 per doz.; \$25.00 per 100.

Grand Maitre. Deep porcelain-blue; large bells. Each 35c; \$3.50 per doz.; \$25.00 per 100.

King of the Blues. Rich dark blue. Each 35c; \$3.50 per doz.; \$25.00 per 100.

Myosotis. A catching tone of light forget-me-not-blue. Each 35c; \$3.50 per doz.; \$25.00 per 100.

Queen of Blues. Pale azure-blue; large spike. Each 35c; \$3.50 per doz.; \$25.00 per 100.

YELLOW

City of Haarlem. Golden yellow, well-formed flower. Each 35c; \$3.50 per doz.; \$25.00 per 100.

Choice Unnamed Bedding HYACINTHS

In separate colors and mixed shades for pots and bedding.

Each 20c; \$2.00 per doz.; \$16.00 per 100

Blue Pink Red White Yellow

BULBOUS IRIS

Bulbs of Dutch Iris when planted outdoors should be set 4 to 5 inches deep.

DUTCH IRIS

JUNE BLOOMING—For Indoor or Outdoor Blooming

Blue Horizon. Light violet-blue standards; falls soft sky-blue, narrow orange stripe. 85c per doz.; \$7.00 per 100.

D. Haring. Standards grayish white; falls pure white. A very large flower of great substance. 85c per doz.; \$7.00 per 100.

Imperator. Large, free-flowering, dark blue. 85c per doz.; \$7.00 per 100.

Wedgwood. Standards dark blue; falls pale blue with yellow blotch. Especially recommended for early forcing in greenhouse; excellent in the garden also. 85c per doz.; \$7.00 per 100.

White Excelsior. Very early; uniform pure white; falls very broad. 85c per doz.; \$7.00 per 100.

Yellow Queen. Standard and falls golden yellow; very tall and e rly. 85c per doz.; \$7.00 per 100.

Mixed Dutch Iris. A mixture of named varieties including the above. 75c per doz.; \$6.00 per 100.

DUTCH HYBRID IRIS—NOVELTIES

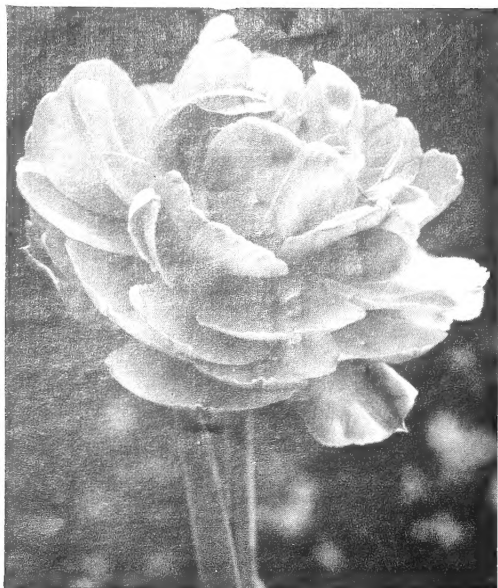
Golden Lion. The ruffled golden yellow Spanish Iris that has created a sensation whenever shown. This very late-flowering, beautifully proportioned flower is of great value for cutting. \$3.00 per doz.; \$24.00 per 100.

National Velvet. Sensational novelty. Deep rich velvety violet-purple with a conspicuous golden yellow dot. Completely new color in bulbous Iris. 85c per doz.; \$7.00 per 100.

White Superior. A pure white Iris, not quite so tall as White Perfection but much taller than White Excelsior. 85c per doz.; \$7.00 per 100.



MUSCARI (GRAPE HYACINTHS)



PEONY-FLOWERED TULIP, MOUNT TACOMA

DARWIN TULIPS

A vigorous race of self-colored Tulips distinguished by their strong stems that carry the blooms well above the foliage, thus adding to their beauty in the garden and increasing their value for cutting and indoor decoration. They flower simultaneously with the Breeder and Cottage Tulips during April and May. We offer below the new varieties which show improvement in color, height, or in some important respect, over the old varieties. But at the same time we retain the best of the old and tried varieties, many of which remain the best in their class.

- Aristocrat.** Soft violet-rose; large, oval flower. **\$1.50 per doz.; \$11.50 per 100.**
- Bleu Aimable.** Violet-blue. **90c per doz.; \$7.00 per 100.**
- Blue Perfection.** Bright violet, bordered heliotrope; base white with blue ring; anthers black. **\$1.35 per doz.; \$10.75 per 100.**
- Charles Needham.** A glorious carmine-scarlet flower; exceptional. **\$1.15 per doz.; \$9.00 per 100.**
- City of Haarlem.** Handsome vermilion flower. **\$1.20 per doz.; \$9.50 per 100.**
- Clara Butt.** Soft salmon-rose-pink. **95c per doz.; \$7.00 per 100.**
- Demeter.** Deep violet-blue; large; extremely early. **\$1.40 per doz.; \$10.75 per 100.**
- Duke of Wellington.** Pure white with white base and ivory anthers; long petals. **\$1.35 per doz.; \$10.75 per 100.**
- Eclipse.** Warm crimson-maroon, with blue base. Large flowers, stiff stem. **\$1.15 per doz.; \$9.00 per 100.**
- Golden Age.** Deep golden yellow, inside lighter; yellow anthers. Tall. **\$1.15 per doz.; \$9.00 per 100.**
- Insurpassable.** Orchid-lavender, white center. **\$1.15 per doz.; \$9.00 per 100.**
- Magic Fire.** Deep red. **90c per doz.; \$7.00 per 100.**
- Margaux.** Deep wine-red, broadly edged with a lighter shading of wine-red; blue base; straight stem. A Tulip of great size and beauty. There is no other Tulip in this color. **90c per doz.; \$7.00 per 100.**
- Mrs. Grullemans.** Pure white with light yellow anthers; large. **90c per doz.; \$7.00 per 100.**
- Niphetos.** Soft yellow inside, creamy outside. Long flower. **\$1.15 per doz.; \$8.50 per 100.**
- Pride of Haarlem.** Bright carmine-rose, with blue base. **90c per doz.; \$7.00 per 100.**
- Pride of Zwanenburg.** Salmon-rose; immense. **\$1.10 per doz.; \$8.75 per 100.**
- Princess Elizabeth.** Crimson-pink, edged soft rose-pink; white base. **90c per doz.; \$7.00 per 100.**
- Queen of the Night.** A real black Tulip, superior to La Tulipe Noire. Large flower on tall, stiff stem. **90c per doz.; \$7.00 per 100.**
- Scotch Lassie.** Pure deep lavender, darker inside; blue base. **95c per doz.; \$7.50 per 100.**
- Smiling Queen.** A very fine novelty. Beautiful satiny pink with silvery edge. **\$2.40 per doz.; \$19.00 per 100.**
- The Bishop.** Pure violet; white base. **\$1.30 per doz.; \$9.75 per 100.**
- The Peach.** A splendid clear rose-pink deepening to peach-red. The flower is of good size, carried on a strong stem. **\$1.00 per doz.; \$8.00 per 100.**
- White Giant.** Pure white, black anthers. Globular flower. **\$1.15 per doz.; \$9.00 per 100.**
- Wm. Pitt.** Dark scarlet. Early. **90c per doz.; \$7.00 per 100.**
- Yellow Giant.** Large globular flowers of pure golden yellow carried on a long, sturdy stem. **90c per doz.; \$7.00 per 100.**
- Zwanenburg.** Very large, pure white flower on tall stem. **\$1.10 per doz.; \$8.75 per 100.**
- Mixed Darwins.** All colors, making a fine display and good for cutting. **85c per doz.; \$7.00 per 100.**

Individual bulbs are supplied at one-tenth the dozen rate; 25 bulbs at the 100 rate

BREEDER TULIPS

The Breeders are a race of tall, handsome Tulips, generally of subdued color, including many fine purples, bronzes, dull yellows, browns, old rose, and mahogany shades. As the colors are naturally dull, it is better to plant them in a bright corner in the garden where they will receive the sunshine especially in the morning and late afternoon. The flowers are very large, carried on tall, strong stems. May-blooming.

- Bacchus.** Immense, dark violet; strong stem. **\$1.20 per doz.; \$9.50 per 100.**
- Dillenburg.** Glowing salmon-orange. **90c per doz.; \$7.00 per 100.**
- Georges Grappe.** Large, lavender-blue flower; distinct heavenly-blue base. Straight, tall stem. **\$1.10 per doz.; \$8.75 per 100.**
- Indian Chief (Meyerbeer).** Indian-brown, flushed coppery red. A most artistic flower carried on a very tall stem. **\$1.20 per doz.; \$9.50 per 100.**
- Jessy.** Clear coffee-brown of a rather deep shade, flushed bronzy red; distinct yellow base. **95c per doz.; \$7.50 per 100.**
- Louis XIV.** A refined coloring of rich purple, overlaid golden bronze. Enormous flower. **\$1.10 per doz.; \$8.75 per 100.**
- Tantalus.** Lilac and buff-yellow; very sturdy. **\$1.10 per doz.; \$8.75 per 100.**
- Superfine Mixed.** Superb mixture all colors. **90c per doz.; \$7.00 per 100.**

Individual bulbs are supplied at one-tenth the dozen rate; 25 bulbs at the 100 rate

Tulips

to Plant This Fall for Blooms Next Spring

All varieties of Tulips offered on this page are imported DUTCH BULBS. Our bulbs are Mammoth Top Size, measuring 12 cm. and up, and will produce the largest flowers possible. Top-size bulbs measuring 12 cm. and up are not to be confused with so-called first-size bulbs that measure only 11 cm.

COTTAGE TULIPS MAY-FLOWERING

Next to the Darwin Tulips, the most important class is the Cottage, also called May-Flowering, Old English, or Single Late. The name "Cottage" is favored, for their garden beauty, adaptability to home ornamentation, color range, fragrance, texture of bloom, line-shaped flowers and long stems are among their good qualities. As a class, the Cottage Tulips will make themselves at home for a longer time, even under adverse conditions, than any of the other late types.

- Advance.** One of the largest flowers seen in Tulips. Fiery red with a purplish bloom on the outside and a blue inner base. Early. Tall erect stem. **\$1.35 per doz.; \$10.75 per 100.**
- Belle Jaune.** Clear yellow, light base; yellow anthers. Early. **\$1.00 per doz.; \$8.00 per 100.**
- Carrara.** A Tulip that will create a sensation wherever shown. Of fine round form and as white as the marble for which it is named. **90c per doz.; \$7.00 per 100.**
- Golden Harvest.** Soft lemon-yellow with yellow anthers; large. Early. **90c per doz.; \$7.00 per 100.**
- Grenadier.** Brilliant orange-scarlet. Very fragrant. **\$1.10 per doz.; \$8.50 per 100.**
- G. W. Leak.** Brilliant geranium-red. **\$1.10 per doz.; \$8.75 per 100.**
- Marjorie Bowen.** Buff and salmon; white center. **90c per doz.; \$7.00 per 100.**
- Mongolia.** Large globular pure yellow flowers on tall strong stems. **\$1.20 per doz.; \$9.50 per 100.**
- Mrs. John T. Scheepers.** Stunning golden yellow; tall large flower. **\$1.10 per doz.; \$8.75 per 100.**
- Northern Queen.** Pure pink and white. **\$1.10 per doz.; \$8.75 per 100.**
- Picotee.** Lily flowered. White margined carmine-rose. **\$1.25 per doz.; \$9.00 per 100.**
- Princess Margaret Rose.** Yellow, edged and flushed orange-red. **90c per doz.; \$7.00 per 100.**
- White City.** Extra-large pure white flower; anthers white; strong stem. **\$1.10 per doz.; \$8.50 per 100.**
- Superfine Mixed.** Mixture of all colors. **90c per doz.; \$7.00 per 100.**

Individual bulbs are supplied at one-tenth the dozen rate; 25 bulbs at the 100 rate

EARLY DARWIN TULIPS TRIUMPH STRAIN

This new race of Tulips has well-formed, giant blooms in colors and color combinations distinctly different from all others, being the result of a cross between the Single Early and the Darwin Tulips. They find a place in the garden where it is necessary to bridge the gap between the Single Early and the Late Tulips such as Darwins, Breeders, and Cottage. They are of sturdy, compact growth; exceptionally colorful.

- Elizabeth Evers.** Beautiful large pink flower on strong stem. **\$1.00 per doz.; \$8.00 per 100.**
- Kansas.** Pure white, yellow base; early. **90c per doz.; \$7.00 per 100.**
- Korneforos.** Brilliant red with white base. Very early. **95c per doz.; \$7.50 per 100.**
- Red Giant.** Large scarlet. **\$1.60 per doz.; \$12.50 per 100.**
- Telescopium.** Violet-rose; tall. **90c per doz.; \$7.00 per 100.**
- Ursa Minor.** Golden yellow, long flower. **\$1.00 per doz.; \$8.00 per 100.**
- Mixed.** **95c per doz.; \$7.50 per 100.**

Individual bulbs are supplied at one-tenth the dozen rate; 25 bulbs at the 100 rate

PARROT TULIPS

Parrot Tulips create friends because the blooms are ragged and fringed, and effects can be obtained from them that are impossible with any other Tulips. They are most charming used as cut-flowers. Average height about 16 inches.

- Black Parrot.** This rare purple-black Parrot Tulip is unique and strange. A most exotic flower. **Each 55c; \$5.55 per doz.; \$45.00 per 100.**
- Blue Parrot.** A glorious flower, bright violet shaded steel-blue. A sport from the well-known Darwin Tulip, Bleu Aimable. Very large flower on tall, strong stem. **90c per doz.; \$7.00 per 100.**
- Discovery.** A soft clear lilac-rose of a most distinct shape. **\$1.75 per doz.; \$13.50 per 100.**
- Fantasy.** Large, salmon-pink flower with green spot at base of petals. Sport of Clara Butt. **95c per doz.; \$7.50 per 100.**
- Firebird.** A fiery red sport of Fantasy. **\$1.10 per doz.; \$8.75 per 100.**
- Gadelan.** Purple; very large flower. **\$1.50 per doz.; \$11.75 per 100.**
- Orange Favorite.** Bright orange green blotches; yellow base. Flower has good substance; strong erect stem. Sweet scented. **\$1.10 per doz.; \$8.75 per 100.**
- Sunshine.** Yellow; medium size. **\$1.10 per doz.; \$8.75 per 100.**
- Therese.** Cherry-scarlet. Flowers often 8 inches in diameter. **\$1.10 per doz.; \$8.75 per 100.**
- Violet Queen.** Soft lavender-violet; large, white center. **\$1.25 per doz.; \$10.00 per 100.**
- Mixed Colors.** **\$1.00 per doz.; \$8.00 per 100.**

Individual bulbs are supplied at one-tenth the dozen rate; 25 bulbs at the 100 rate

SINGLE EARLY TULIPS

The outstanding characteristic of this class is the earliness of bloom. On the heels of the crocus and side by side with the daffodils and hyacinths, before the trees and shrubs have made any decided efforts to prove their powers, the Single Early Tulips will march into place.

- Couleur Cardinal.** Crimson-scarlet. **\$1.10 per doz.; \$8.75 per 100.**
- De Wet (Fireglow).** Golden flushed fiery orange-scarlet. **95c per doz.; \$7.75 per 100.**
- Keizerskroon.** Crimson-scarlet, edged bright yellow; large, showy flowers on very tall and strong stems. **\$1.75 per doz.; \$10.00 per 100.**
- Pink Beauty.** Vivid cherry-rose; center of petals striped white. Very large flower. **\$1.65 per doz.; \$13.00 per 100.**
- Sunburst.** Yellow flushed red. **\$1.10 per doz.; \$8.75 per 100.**
- White Hawk.** Pure white; early. **95c per doz.; \$7.75 per 100.**
- Finest Single Mixed.** All colors. **95c per doz.; \$7.75 per 100.**

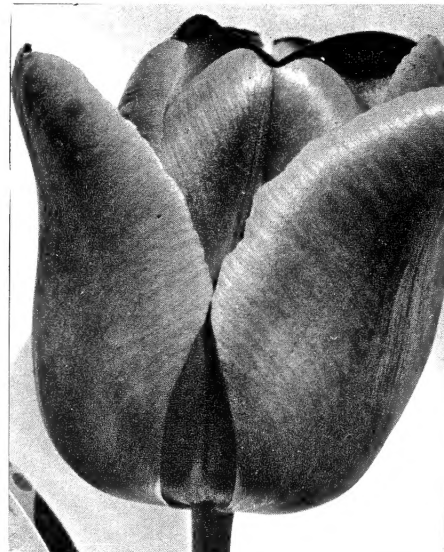
Individual bulbs are supplied at one-tenth the dozen rate; 25 bulbs at the 100 rate

BOTANICAL TULIPS

A most interesting group of wild Tulip species native in the mountain slopes and valleys of Central Asia and Asia Minor. Lovely odd shades, many with reflexed petals and curiously twisted, spotted and reflexed foliage. They belong to the rock-garden where their beauty stands out prominently. Here they increase if left in the ground year in and year out. Plant in groups of six to twelve in fairly deep, well-drained pockets.

- Clusiana.** Known as the Lady Tulip. Small flower on a 14-inch stem. Petals white with crimson exterior and dark blue base. Very fine for cutting. **\$1.20 per doz.; \$9.50 per 100.**
- Eichleri.** Crimson-scarlet, shaded orange, with glistening black center marked with gold. Height 8 inches. **85c per doz.; \$6.75 per 100.**
- Kaufmanniana (Water-Lily Tulip).** Creamy white, tinged rosy red on the outside. Height 6 inches. **\$1.90 per doz.; \$15.00 per 100.**
- Marjoletti.** Soft primrose, shaded carmine-red at base. Height 14 inches. **95c per doz.; \$7.75 per 100.**
- Red Emperor.** A glorious scarlet-red Tulip of remarkable size and substance, having a large black center. The largest Tulip known. **\$1.25 per doz.; \$10.00 per 100.**

Individual bulbs are supplied at one-tenth the dozen rate; 25 bulbs at the 100 rate



DARWIN TULIP, CITY OF HAARLEM



DARWIN TULIP, SMILING QUEEN



PARROT TULIP, DISCOVERY



Large Trumpet Daffodils—Division 1

Yellow Trumpet Daffodils—1a

Trumpet as long or longer than perianth segments.

- Aerolite.** A huge golden Daffodil, graceful despite its size. Perianth deep primrose, with a pure yellow trumpet. Blooms early; long lasting. **\$1.10 per doz.; \$8.50 per 100.**
- Alasnam.** Wide, short, densely frilled trumpet of pure deep yellow, a shade deeper than the perianth; finely placed with good neck; flower "looks you in the eye." Earlier and better than King Alfred. **\$1.35 per doz.; \$10.50 per 100.**
- Dawson City.** Golden yellow. A fine garden variety. **\$1.40 per doz.; \$11.00 per 100.**
- February Gold.** Golden yellow, sharply reflexed perianth; trumpet tinged orange. Very early. **\$1.35 per doz.; \$10.50 per 100.**
- Flower Carpet.** An improved King Alfred. Flower larger and perianth of a stronger texture, thus lasting longer in good condition. Produces more flowers in a shorter period. A uniform yellow. **\$1.50 per doz.; \$12.00 per 100.**
- Golden Harvest.** Very large and of good form and proportion. The color is deep golden yellow. Opens very early. **\$1.85 per doz.; \$15.00 per 100.**
- Insurpassable.** An outstanding novelty. A giant Daffodil, deep yellow throughout. Stem tall and strong; early. **\$2.40 per doz.; \$19.00 per 100.**
- King Alfred.** Large, golden yellow flower with deeply frilled mouth, elegantly recurved, of lasting quality. **Round No. 1 bulbs, \$1.15 per doz.; \$9.00 per 100. Double Nose No. 1 bulbs, \$1.50 per doz.; \$12.00 per 100. Jumbo Bulbs, \$2.00 per doz.; \$15.00 per 100.**

DOUBLE EARLY TULIPS

Blooming as they do with the Single Early Tulips, these huge double peony-like blooms are stiff and formal as only a Tulip can be. They have a way of appearing suddenly with a splash of color that is breath-taking.

- Mr. Van Der Hoef.** A beautiful pure yellow sport of the variety Murillo. **\$1.15 per doz.; \$9.00 per 100.**
- Peach Blossom.** Dark pink. **\$1.15 per doz.; \$9.00 per 100.**
- Schoonoord.** Pure white; fully double. **\$1.15 per doz.; \$9.00 per 100.**
- Vuurbaak.** Immense, bright fiery scarlet flower on strong stem. Showy bedder; the double scarlet for forcing. **\$1.40 per doz.; \$11.00 per 100.**
- Finest Double Mixed.** All colors. **\$1.15 per doz.; \$9.00 per 100.**

Individual bulbs are supplied at one-tenth the dozen rate; 25 bulbs at the 100 rate

LILY-FLOWERING TULIPS

The Tulips offered in this class are extremely graceful and decorative. The delicately curved petals give a delightful effect, blooming at the same time as the Cottage Tulips.

- Captain Fryatt.** Dark ruby-violet with violet-blue center; strong reflexing petals. Blue and white base. **\$1.50 per doz.; \$12.00 per 100.**
- Golden Duchess.** Deep primrose-yellow. Large flower on tall stem. **\$1.60 per doz.; \$12.75 per 100.**
- Marcellina.** Delicate crise-pink with pure white base; yellow anthers. **\$1.15 per doz.; \$8.50 per 100.**
- White Duchess.** A snow-white Lily-flowering Tulip of exquisite beauty and graceful form. White anthers. **\$1.15 per doz.; \$8.50 per 100.**
- Lily-flowering Tulips in Mixed Colors.** **\$1.15 per doz.; \$8.50 per 100.**

PEONY-FLOWERED TULIPS

DOUBLE LATE TULIPS

These gorgeous double Tulips are among the last of the Tulip family to bloom. When planted in a slightly shaded situation they will carry their heavy peony-like blossoms more erect.

- Coxa.** Carmine-red with small white border. **\$1.60 per doz.; \$12.75 per 100.**
- Eros.** Old rose tinted silvery rose toward the edge. **\$1.15 per doz.; \$9.00 per 100.**
- Mount Tacoma.** Large flower resembling a double pure white peony. **\$1.15 per doz.; \$9.00 per 100.**
- Uncle Tom.** Very large flowers of a deep glossy red. **3 for 55c; \$2.25 per doz.; \$17.50 per 100.**

Striped and Feathered Tulips

American Flag (Old Glory). Dark red with broad white lines. Large flower with straight strong stem. **\$1.25 per doz.; \$9.50 per 100.**

Narcissus or Daffodils

For a beautiful bulb garden, Narcissus should be planted very freely. They thrive in practically any climate in the United States and are not only excellent for outdoors but millions are used every year for forcing indoors. Their graceful form, beautifully shaped trumpets and cups, and the long, straight stems have made them favorites for cut-flowers purposes.

Plant in soil in pots or bulb pans. Plunge in coldframes or place in cool basement. When well rooted bring into conservatory or greenhouse or place in sunny window in a cool temperature.

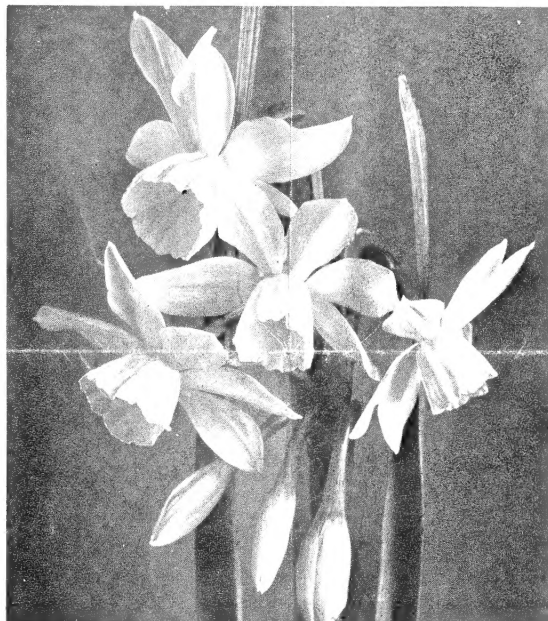
Culture Outdoors: Plant so that top of bulb is at least 5 inches beneath the soil. A little protection should be given during severe winter weather, although they are perfectly hardy.

Bicolor Daffodils—1b

- Lovest.** Nicely proportioned trumpet; saffron-yellow turning to apricot-pink. Very early. **\$2.00 per doz.; \$15.00 per 100.**
- Mrs. R. O. Backhouse.** This is the famous "pink Daffodil." Perianth of ivory-white, beautifully proportioned. Slim long trumpet of apricot-pink changing to shell-pink at the deeply fringed edge. Long lasting; early. **Each 35c; 3 for \$1.00; \$3.00 per doz.; \$25.00 per 100.**
- Spring Glory.** Pure yellow trumpet, white perianth. Excellent stem; always free blooming. **\$1.75 per doz.; \$13.50 per 100.**

White Trumpet Daffodils—1c

- Ada Finch.** Exquisite white variety. Snow-white flowers with beautifully shaped trumpet. **Each 85c; 3 for \$2.40; \$8.25 per doz.**
- Beersheba.** Glistening snow-white; great size, flanged at mouth. Vigorous. **\$2.75 per doz.; \$22.00 per 100.**
- Eskimo.** A variety of fine build and great substance with broad perianth and very open trumpet; opens pale primrose but quickly passes to pure white; a real gem. **Each 50c; \$5.50 per doz.**
- Mount Hood.** A magnificent, pure white Daffodil. Stem is strong with flower of fine substance. **Each 50c; \$5.50 per doz.**
- Mrs. E. H. Krelage.** Really a pale bicolor, but changing to a uniform ivory-white. Smooth waxy texture with good form. **\$1.75 per doz.; \$13.50 per 100.**
- Roxane.** A large, creamy white trumpet with round overlapping pure white perianth. **Each 25c; \$2.35 per doz.; \$18.50 per 100.**



TRIANDRUS DAFFODIL, THALIA

Large-Cupped Daffodils—Division 2

- Carlton.** A fine clear yellow of great size; crown frilled at brim. Vigorous. **\$1.15 per doz.; \$9.00 per 100.**
- Daisy Schaffer.** Very large flower; perianth pure white with cup opening primrose. **\$3.25 per doz.; \$25.00 per 100.**
- Dick Wellband.** Pure white perianth with fiery red crown. Does not fade. **\$1.25 per doz.; \$10.00 per 100.**
- E. H. Wilson.** A giant Leedsi of lovely form. Perianth pure white, distinctly star-shaped because the petals are pointed. Crown light yellow passing to ivory, shallow and fluted at margin. Tall. **\$1.25 per doz.; \$10.00 per 100.**
- Fortune.** Broad, creamy yellow perianth of very solid texture; crown of great size and elegant form, opening at mouth and beautifully frilled, of a glowing soft orange. **\$2.00 per doz.; \$16.00 per 100.**
- Francisca Drake.** The pure white perianth petals are of unusual substance and tinted gold at the base, which shows through on the outside; the cup, wide and deep, is golden yellow at the base, changing gradually to flame-orange at the densely frilled edge. **\$1.10 per doz.; \$8.50 per 100.**
- Gertie Millar.** Pure white perianth with a pale primrose cup, deeply fluted; frilled. **\$1.40 per doz.; \$11.00 per 100.**
- Hades.** Large, creamy white perianth of excellent substance; large expanded crown of a real deep cherry-red. Height 24 inches. Vigorous; holds its color well. **Each 25c; \$2.10 per doz.; \$17.00 per 100.**
- John Evelyn.** Flat perianth, 4 to 6 inches across, with a flat cup nearly 2 inches in diameter, densely frilled. Perianth pure white and cup lemon-yellow, fluted to the base. **\$1.85 per doz.; \$15.00 per 100.**
- Nova Scotia.** Very large, flat, golden yellow cup with heavy deep orange margin; perianth creamy white. **\$1.15 per doz.; \$9.00 per 100.**
- Red Shadow.** A most attractive flower of bold appearance. Perianth creamy yellow; cup dark yellow with orange-red margin. Late. **\$1.65 per doz.; \$13.00 per 100.**
- Silver Star.** Broad-petaled, star-shaped perianth of pure cream-white, with wide-mouthed trumpet of primrose, changing to cream-white. Extra fine, and very free-flowering. **\$1.25 per doz.; \$10.00 per 100.**
- Tunis.** Broad waved white perianth and large, bold ivory crown flushed pale coppery gold at the edge. **\$1.40 per doz.; \$11.00 per 100.**

Individual bulbs are supplied at one-tenth the dozen rate; 25 bulbs at the 100 rate

Short-Cupped Daffodils—Division 3

- Aleida.** Flat, star-shaped, pure white perianth with petals over 1 1/2 inches wide; broad citron-yellow cup with blood-orange frill. Free flowering; very late. **\$1.15 per doz.; \$9.00 per 100.**
- Diana Kasner.** Pure white perianth and a large fluted yellow cup with blood-red frill. Free-flowering and an excellent forcer. **\$1.10 per doz.; \$8.50 per 100.**
- Firetail.** Broad petaled, creamy white perianth and large orange cup with scarlet-orange frill. **\$2.00 per doz.; \$16.00 per 100.**
- Mrs. Barclay.** Large flower with flat, reflexed, broad-petaled perianth of pale primrose; deeply frilled, flat cup of primrose-yellow, with dainty orange picotee. Extremely showy. **\$1.20 per doz.; \$9.50 per 100.**
- Mrs. Nette O'Melveny.** Pure white perianth and cup of clear lemon-yellow with orange picotee. Splendid foliage; tall, graceful stem. **\$1.10 per doz.; \$8.50 per 100.**

Double Daffodils—Division 4

- Albus Plenus Odoratus.** (Double White Poeticus.) Snowy white; sweet-scented. **\$1.10 per doz.; \$8.50 per 100.**
- Cheerfulness.** This attractive double-flowering Poetaz Narcissus carries three or four fragrant flowers in clusters. A wonderful cut-flower. **95c per doz.; \$7.50 per 100.**
- Indian Chief.** Very large and very double; bright yellow interspersed with orange; petals curled and twisted. **\$1.25 per doz.; \$10.00 per 100.**
- Twink.** Petals alternating soft primrose and clear orange. Flowers very early and is particularly suited for forcing. **\$1.40 per doz.; \$11.00 per 100.**

Triandrus Daffodil—Division 5

- Thalia.** Two or three lovely pure white flowers per stem, 2 inches or more across, making a beautiful cluster. Suitable for rock-garden or for forcing. **\$2.10 per doz.; \$16.50 per 100.**

Cyclamineus Hybrid—Division 6

- February Gold.** Golden yellow, sharply reflexed perianth; trumpet tinged orange. Very early. **\$1.35 per doz.; \$10.50 per 100.**

Jonquil Hybrids—Division 7

- Campernelle, Single.** A tiny golden Daffodil frequently having three blooms on a stalk. Very sweet-scented. **95c per doz.; \$7.50 per 100.**
- Trevithian.** Pale lemon-yellow. Produces two or more scented flowers on a stem. Free flowering. **\$1.10 per doz.; \$8.50 per 100.**

Poetaz Daffodils—Division 8

- Cheerfulness.** This attractive double-flowering Poetaz Narcissus carries three or four fragrant flowers in clusters. A wonderful cut-flower. **95c per doz.; \$7.50 per 100.**
- Glorious.** Tall, delightfully informal in habit. Perianth Poeticus white with orange eye edged red. Very early; excellent forcer. **\$1.10 per doz.; \$8.50 per 100.**

Poeticus Narcissus—Division 9

- Actaea.** Pure white with a very large, orange-red eye. **\$1.25 per doz.; \$9.75 per 100.**
- Recurvus.** (Pheasant's Eye; Poet's Narcissus.) Pure white, with distinct red crown; sweet-scented. **\$1.00 per doz.; \$8.00 per 100.**

New JAN de GRAAFF Pink Hybrid Daffodils

These new pink hybrid Daffodils were produced by Mr. Jan de Graaff at his Oregon Bulb Farms. Many are lovelier than Mrs. R. O. Backhouse, which is their parent. These so-called "pink" Daffodils open creamy yellow; the trumpet only turns to apricot-pink as the flower ages. Quantities are still limited, so we ask you to order as soon as possible.

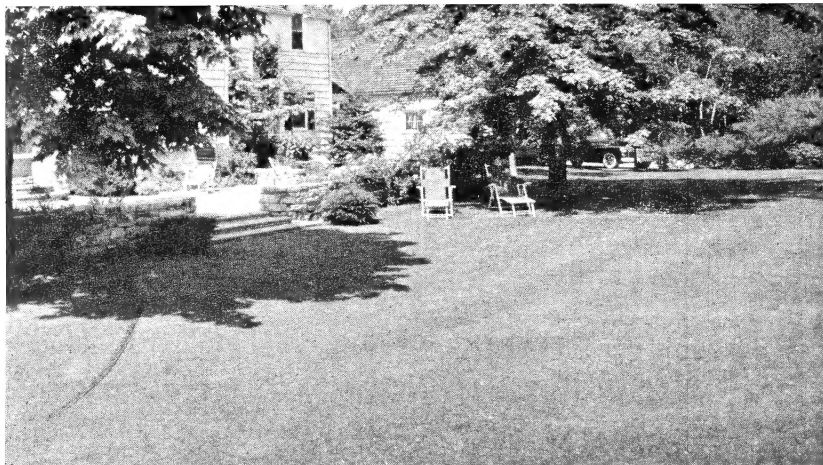
Each 50c; \$5.00 per doz.

JAN de GRAAFF Flower Border Daffodils

This mixture is made up from named varieties especially selected to give an abundant supply of flowers over a very long period. Only varieties that are adapted to naturalizing are selected. Mr. de Graaff grows several acres of this mixture and adds to it each year. Well over a hundred different varieties are included. It should not be confused with the cheap mixtures of old varieties that are frequently offered by other growers.

95c per doz.; \$7.50 per 100; \$70.00 per 1000





Your Lawn Can Be Beautiful!

START YOUR LAWN THIS WAY

Be sure that the soil has good drainage and that the seed bed is fine, smooth, and mellow. Careful consideration should be given to the kind of seed to be used. The cost of the seed represents the smallest part of the investment. It is false economy to save a few cents by purchasing lawn seed from a questionable source, only to be annoyed later by repatching a weedy turf or being required to do the entire work over.

Select a calm day and sow half the quantity one way and the remaining half at right angles. Seed at the rate of a pound to 200 square feet on new lawns or 125 to 150 pounds per acre. It requires about half as much seed for an established lawn. A thick sod is the best protection against weeds. The seed should be covered by light raking and a top dressing of peat moss or humus. The lawn is then ready for rolling. If watering is necessary, use a fine spray to prevent washing.

Facts Concerning Late Summer and Early Fall Sowing

The cool, moist weather of late summer and early fall affords an ideal condition for renovating or rebuilding a lawn that has suffered from drought, neglect, or the ravages of crab grass or other weeds. This is also the ideal time for building a new lawn. Seed sown at this time will show quicker growth and has a tendency to stool or spread out, a condition not present during the warmer months. Competition with weeds is practically eliminated at this season, since they will not germinate until spring, by which time the grass is thoroughly established. Seed may be sown successfully as late as November in the latitude of Cincinnati, but we would recommend September for best results.

ACME SUPERFINE LAWN SEED

As the name implies, this mixture is the finest that modern seed-cleaning machinery can produce. Over 99.90 per cent free from weeds. It contains only the plump seeds which produce the strong healthy plants. It is a scientific combination of extra-heavy Kentucky Blue Grass, Fancy Red Top and Creeping Bent. All deep-rooting permanent grasses, free from any of the coarse grasses. Truly the best lawn seed obtainable. **Lb. \$1.50; 3 lbs. \$4.35; 5 lbs. \$7.00; 10 lbs. \$14.00; 20 lbs. \$25.00; 25 lbs. \$32.50.**

EMERALD LAWN SEED

Our standard mixture that has proved satisfactory to our customers over a period of many years. Produces a good clean permanent turf. Composed of re-cleaned Kentucky Blue Grass, Fancy Red Top, Creeping Bent, Chew-ing's Fescue, White Clover, and other fine grasses all carefully blended.

Emerald will give satisfaction. Lb. \$1.30; 3 lbs. \$3.80; 5 lbs. \$6.25; 10 lbs. \$12.50; 20 lbs. \$24.00; 25 lbs. \$30.00.